

## MARKERS FOR EVALUATING ESTROGENIC ACTIVITY

### Abstract of the Disclosure

5           Methods are provided for evaluating estrogenic and  
antiestrogenic effects of candidate therapeutic agents.  
Such methods are generally based on assays to detect  
modulation of estrogen-regulated marker expression in one or  
more specific cell types. Agents identified using such  
10 methods may be used, for example, in the prevention and  
treatmnt of diseases such as osteoporosis, cardiovascular  
disease and cancer.

          In addition, the gene discovery approaches discussed  
have identified a unique gene profile for estrogen  
15 regulation in vascular endothelial cells. This gene profile  
will allow characterization of the effects of potential  
SERMs in the cardiovascular system. This gene profile and  
the assays established with these genes will enable more  
extensive evaluation of tissue specific properties of SERM  
20 compounds and provide a better understanding of  
cardiovascular effects of SERMs.